

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 1-19, 22-34, 37, 38, 40-49 and 51-54 and ADD claims 55-66 in accordance with the following:

1-54. (CANCELLED)

55. (NEW) A displaying method of a color plasma display apparatus, comprising:
varying a number of sustain pulses when a display ratio of an image is varied; and
adjusting an amplitude of at least one of the plurality of primary color video signals input to correct white balance when the number of sustain pulses is varied.

56. (NEW) The displaying method of a color plasma display apparatus according to claim 55, wherein the white balance is corrected by multiplying, from among a plurality of phosphors emitted in accordance with the plurality of primary color video signals, the primary color video signals by multiplication coefficients determined based on luminance ratios depending on a number of times of emissions of a predetermined primary color video signal with respect to other primary color video signals.

57. (NEW) A displaying method of a plasma display apparatus carrying out color display using a plurality of primary colors, the method comprising:
varying a gray level of a video input at a predetermined gray level by setting, when a total number of sustain pulses in a frame is a first pulse number and by setting, when the total number of sustain pulses is a second pulse number different from the first pulse number; and
carrying out the color display by making a first variance ratio differ from a second variance ratio, the first variance being obtained at a gray level in a first primary color among the plurality of primary colors when the total number of sustain pulses is changed from the first pulse number to the second pulse number, and the second variance being obtained at a gray level in a

second primary color different from the first primary color when the total number of sustain pulses is changed from the first pulse number to the second pulse number.

58. (NEW) The displaying method of a plasma display apparatus according to claim 57, wherein the total number of sustain pulses are determined by using a display ratio of a video input to the plasma display apparatus.

59. (NEW) The displaying method of a plasma display apparatus according to claim 57, further comprising:

controlling the total number of sustain pulses for reduction when a display ratio of a video input to the plasma display apparatus is increased.

60. (NEW) The displaying method of a plasma display apparatus according to claim 57, wherein primary color video signals input to the plasma display apparatus includes respective color video signals corresponding to colors of a plurality of phosphors, and the method further comprises:

changing, when a display ratio of a video is varied while the gray level of each of the primary color video signals input is maintained, a gray level of a primary color video signal of any one of the respective colors so that a combination of subfields is a combination different from a first combination.

61. (NEW) The displaying method of a plasma display apparatus according to claim 57, wherein phosphors of the plasma display apparatus are composed of phosphors representing red, green, and blue, and combination of subfield is a combination differs from a first combination so that a gray level of a primary color video signal representing green is reduced relatively to a gray level of a primary color video signal representing another color.

62. (NEW) The displaying method of a plasma display apparatus according to claim 60, further comprising:

varying, by setting a color of one of the primary color video signals as a criterion, the gray level of each of the primary color video signals representing other colors.

63. (NEW) The displaying method of a plasma display apparatus according to claim 57, further comprising:

changing, when the total number of sustain pulses is shifted from the first pulse number to the second pulse number, a combination of subfields to be lit from a first combination of subfields to a second combination of subfields so as to keep an illumination ratio of each of the primary color video signals to be displayed.

64. (NEW) A displaying method of a plasma display apparatus carrying out color display using a plurality of primary colors, the method comprising:

varying a gray level of a signal to be input when a total number of sustain pulses is changed from a first pulse number to a second pulse number; and

carrying out the color display by making a first variance ratio differ from a second variance ratio, the first variance being obtained at a gray level in a first primary color from among the plurality of primary colors when the total number of sustain pulses is changed from the first pulse number to the second pulse number, and the second variance being obtained at a gray level in a second primary color different from the first primary color when the total number of sustain pulses is changed from the first pulse number to the second pulse number.

65. (NEW) The displaying method of a plasma display apparatus according to claim 64, further comprising:

varying illumination of each of the primary colors so as to keep an illumination ratio of each of primary color videos to be displayed when the total number of sustain pulses is changed from the first pulse number to the second pulse number.

66. (NEW) The displaying method of a plasma display apparatus according to claim 64, wherein the total number of sustain pulses is determined by using a display ratio of a video inputted to the plasma display apparatus.